



SEMABLEX
CUSTOM EQUIPMENT ASSEMBLERS

1635 W. Walnut
Springfield, MO 65806-1643

Phone 417/866-1035
Facsimile 417-866-0235

April 17, 1990

Mr. Robert Schaefer, P.E.
Superintendent of Sanitary Services
830 Boonville
Springfield, Missouri 65802

Subject: Steven Short's March 8, 1990 letter

DEFINITION OF PROBLEM

Semablex located a wet testing area over what we found to be a storm sewer outlet. We wet test, with water, all of our Polymax-Polymer blending units and Chemix units. These tests are done with clear water about ten or twelve times per month.

Four or five times a year, we clean-up and refurbish a piece of rental equipment that has residual volumes of polymeric flocculating agent remaining in the bottoms of the tanks. Perhaps once a year, we also run a test on our polymer feed equipment using polymer that is diluted to about 0.1-0.5 percent, before discharge.

Thus, these tests are intermittent each time, using anywhere from 30 to 50 gallons of water per test.

Proposed Solution

In order to segregate the storm water from the roof, going into this drain, we have capped the roof drain, going to this sump, diverting the roof drain to the other existing downcomer pipes and into the existing storm sewer.

We have capped the sump in our wet test area, and installed a sump pump. Discharge of this pump is routed through 2-inch diameter PVC piping, to our boiler room, and an existing drain in the boiler room. Your Mr. Steve Short ran a dye test on April 17, 1990 and discovered that our drain in the boiler room is piped to the sanitary sewer. We will route this pumped discharge into this drain line, in our boiler room.

This solution will not disturb any existing drains, and will allow us to use an existing drain in the boiler room.

Because we are not disturbing any sewer connections, we thus will not require a permit from the building regulations department.

APR 19 1990

1635 W. WALNUT

Since our water used for testing is extremely intermittent, a sump pump is a quite logical solution. This 45 gallon per minute sump pump has more than adequate capacity and pressure to facilitate discharge in this manner.

Please indicate your approval so we may modify our drains accordingly.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Guy".

Guy R. Mace

Handwritten initials "mt" in cursive script.

cc: Steven Short
Randy Lyman